

FILE 'WPIX, JAPIO, HCAPLUS, INPADOC' ENTERED AT 10:11:42 ON 02 MAR 2005
L1 3 SEA ABB=ON PLU=ON JP01199467/PN
L2 0 SEA ABB=ON PLU=ON JP64199467/PN
L3 SEL PLU=ON L1 1- PRN : 1 TERM
L4 4 SEA ABB=ON PLU=ON L3
L5 SEL PLU=ON L4 1- PN : 2 TERMS

FILE 'DPCI' ENTERED AT 10:12:34 ON 02 MAR 2005
L6 0 SEA ABB=ON PLU=ON L5/PN.D
L7 0 SEA ABB=ON PLU=ON JP01199467/PN.D
L8 1 SEA ABB=ON PLU=ON JP1199467/PN.D
D L8 TI

FILE 'WPIX, JAPIO, HCAPLUS, INPADOC' ENTERED AT 10:13:18 ON 02 MAR 2005
D L4 TI 1-4
D MAX 1-4
D L4 MAX 1-4

FILE 'DPCI' ENTERED AT 10:15:08 ON 02 MAR 2005
L9 0 SEA ABB=ON PLU=ON JP 09219521/PN.D
L10 0 SEA ABB=ON PLU=ON JP 9219521/PN.D
D L8 ALL
L11 SEL PLU=ON L8 1- PN : 6 TERMS

FILE 'HCAPLUS, WPIX, JAPIO' ENTERED AT 10:16:04 ON 02 MAR 2005
L12 3 SEA ABB=ON PLU=ON L11

02mar05 08:38:59 User259284 Session D3094.2

File 2:INSPEC 1969-2005/Feb W3
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Set	Items	Description	S65	0	S64 AND S61
S1	56590	R1:R4 OR R7 OR R11 OR R16:R18	S66	33117	EFFECTS(2N)FIELD
S2	48588	S1 AND FIELD? ?	S67	0	64AND66
S3	2	S1 AND EFIELD? ?	S68	1760	S2:S50 AND S61
S4	48588	S2:S3	S69	0	S51:S55 AND S61
S5	921	CONTACT???? AND S4	S70	1760	(S1:S49 OR S55) AND S61
S6	128	DRAIN? ? AND S4	S71	11116	(S1:S49 OR S55) AND S66
S7	834768	SURFACE? ?	S72	12582	S68 OR S71
S8	7286	S4 AND S7	S73	12580	S72 NOT S63
S9	75	S4 AND WIRING	S74	276	S73 AND DISTANCE
S10	0	S4 AND WIRING? ?(3N)DRAIN??	S75	562	S73 AND SEPARAT???????
S11	3	S4 AND (METAL????? OR LINE OR WIRE OR WIRING OR WIRES) (3N)- DRAIN? ?	S76	353	S73 AND CONTACT???????
S12	67	LATERAL???? (3N)BREAKDOWN?	S77	53	S73 AND DRAIN???????
S13	3	LATERAL???? (3N)BREAK()DOWN?	S78	31	74AND75
S14	304	LATERAL???? (3N)VOLTAGE	S79	8	74AND76
S15	1002	LATERAL???? (3N)TRANSISTOR??	S80	1	74AND77
S16	139	LATERAL???? (7N)PARASIT???????	S81	27	75AND76
S17	1	S4 AND S12	S82	4	75AND77
S18	0	S4 AND S13	S83	7	76AND77
S19	3	S4 AND S14	S84	97	S74:S77 AND (MU OR MUM OR MICRON?????)
S20	6	S4 AND S15	S85	4	S78:S81 AND S84
S21	0	S4 AND S16	S86	22	LATERAL?? AND S74:S84
S22	19	5AND6	S87	3	TRANSISTOR?? AND S86
S23	283	5AND7	S88	0	BREAKDOWN? AND S86
S24	283	5AND8	S89	0	BREAK??? (2W)DOWN??? AND S86
S25	0	5AND9	S90	0	PARASIT?????? AND S86
S26	50	WIRING?? AND DRAIN??	S91	2	84AND86
S27	7	S1:S25 AND S26	S92	0	77AND78
S28	3	S13 NOT S11	S93	1	77AND81
S29	20	S17:S20 OR S27 OR S28	S94	32	S64 OR S79:S80 OR S82:S83 OR S85 OR S87 OR S91:S93
S30	302	S1:S26 AND DRAIN?? AND CONTACT??	S95	32	S94 NOT S63
S31	4	S30 AND DISTANCE??	S96	13	S95 AND DRAIN???
S32	0	S30 AND WIDER	S97	21	S95 AND CONTACT???
S33	0	S30 AND WIDEN???????	S98	7	96AND97
S34	17	S30 AND WIDTH	S99	1276	LATERAL?? (7N)TRANSISTOR??
S35	0	S30 AND BROADER	S100	1114	HIGH()BREAKDOWN???
S36	2	S30 AND BROADEN?	S101	11	HIGH()BREAK()DOWN???
S37	5	S30 AND BROAD??????	S102	10	S99 AND S100:S101
S38	1	S29 AND S30	S103	4	S102 AND PARASIT?????????
S39	31	S17:S20 OR S13 OR S27:S28 OR S31 OR S36:S38	S104	2	S102 AND DRAIN???
S40	8	(S29 OR S34) AND ELECTRIC???(W)FIELD	S105	0	S102 AND CONTACT???
S41	20	S36:S40 AND DRAIN???	S106	0	S102 AND CONTACT???????
S42	13	S41 AND CONTACT?????	S107	1	S102 AND DIODE???
S43	7	S41 AND WIRING??	S108	7	S103:S107
S44	6	S41 AND DRAIN??(4N)CONTACT?????????	S109	27	S98 OR S63
S45	1	42AND43	S110	7	S108 NOT S109
S46	6	42AND44	S111	1804	S99:S101 AND (LATERAL? OR TRANSISTOR???? OR PARASITIC????)
S47	0	43AND44	S112	15	S111 AND DRAIN?? (3N)CONTACT?????????
S48	7	S45:S46 NOT S11	S113	15	S112 NOT (S110 OR S109)
S49	150	NI='SIZE' AND (S9:S14 OR S16:S48)	S114	5	S113 AND (MU OR MUM OR MICRON?? OR WIDE???? OR DISTANCE?? - OR BUFFER???? OR SEPARAT?????? OR ISOLAT?????)
S50	150	S49 NOT (S48 OR S11)	S115	9	S113 AND FIELD
S51	0	S50 AND WIDER	S116	0	S113 AND FIELDS
S52	0	S50 AND WIDEN???????	S117	10	S114:S115
S53	8	S50 AND DISTANCE??			
S54	8	S50 AND SEPARAT?????????			
S55	16	S53:S54			
S56	5	S55 AND DRAIN??			
S57	8	S55 AND CONTACT??			
S58	5	56AND57			
S59	6	(EDGE?? OR BOUNDAR???? OR END) AND S55			
S60	5	S59 NOT S58			
S61	13476	WEAK?????? (3N)FIELD? ?			
S62	0	WEAK?????? (3N)EFIELD? ?			
S63	20	S58 OR S60 OR S48 OR S11			
S64	6	S55 NOT S63			

02mar05 09:16:37 User259284 Session D3094.4
 SYSTEM:OS - DIALOG OneSearch
 File 350:Derwent WPIX 1963-2005/UD,UM &UP=200514
 (c) 2005 Thomson Derwent
 File 347:JAPIO Nov 1976-2004/Oct (Updated 050208)
 (c) 2005 JPO & JAPIO

Set	Items	Description
S1	141622	(5 OR 6 OR 7 OR 8 OR 9 OR 10 OR FIVE OR SIX OR 7 OR 8 OR 9 OR 10) (W) (MU OR MUM OR MICRON???)
S2	100	DIODE(10N) SHORT????????? AND SHORT?????????(10N) GATE
S3	194	DIODE(10N) SHORT????????? AND SHORT?????????(10N) SOURCE
S4	98	DIODE(10N) SHORT????????? AND SHORT?????????(10N) ELECTRODE
S5	46	DIODE(10N) SHORT????????? AND SHORT?????????(10N) WIRING??
S6	83424	GATE (2N) ELECTRODE? ?
S7	3021	SOURCE (2N) WIRING??
S8	1	1AND2
S9	2	1AND3
S10	2	1AND4
S11	1	1AND5
S12	711	1AND6
S13	15	1AND7
S14	3	12AND13
S15	7	S8:S11 OR S14
S16	288	S2:S5 AND (SHORTS OR SHORTING OR SHORTED OR SHORT?????(3N) - (SOURCE OR GATE OR CIRCUIT????))
S17	14	16AND6
S18	1	16AND7
S19	2	16AND1
S20	23	S2 AND S3
S21	4	17AND20
S22	7	S18:S19 OR S21
S23	5	S22 NOT S15
S24	3	S20 AND S4
S25	0	S20 AND S5
S26	1	S24 NOT (S22 OR S15)
S27	81	S1 AND CONTACT?????(3N) DRAIN????
S28	11	S1 AND WIRING????(3N) DRAIN????
S29	845	S1 AND CONTACT?????(3N) (REGION?? OR AREA?? OR ZONE?? OR LO- CATION?? OR POSITION?? OR INTERFAC????)
S30	6324	S1 AND (MU OR MICRON?? OR MUM) (4N) (DISTANCE OR LENGTH OR W- IDE???? OR BUFFER???? OR SEPARAT????)
S31	94719	(E OR ELECTRIC??? OR WEAK????? OR EFFECTS) (2N) FIELD? ?
S32	1	27AND28
S33	39	S27:S28 AND S29
S34	18	S27:S28 AND S30
S35	4	S27:S28 AND S31
S36	12	33AND34
S37	1	S33:S34 AND PARASIT?????
S38	9	S33:S34 AND BREAK?????????
S39	4	S33:S34 AND LATERAL??
S40	25	S33:S34 AND TRANSISTOR???
S41	0	36AND37
S42	6	S23 OR S26
S43	35	S28 OR S32 OR S35 :S39
S44	14	40AND43
S45	29	S43 AND CONTACT????? AND DRAIN???
S46	14	44AND45
S47	14	S46 NOT S42
S48	1	S47 AND DIODE??
S49	2	S43 AND DIODE??
S50	2	S49 NOT S42
S51	15	S47 OR S50

01mar05 15:25:23 User259284 Session D3093.2

SYSTEM:OS - DIALOG OneSearch

File 348:EUROPEAN PATENTS 1978-2005/Feb W03

File 349:PCT FULLTEXT

File 324:German Patents Fulltext 1967200508

*File 324: Original German plus English translation.

Set Items Description

S1 4104 DRAIN(2N)CONTACT??????

S2 10527 DRAIN(2N) (WIRE?? OR WIRING?? OR LINE OR LINES OR CONDUCTOR)

S3 103024 CONTACT??????(8N) (WIRE?? OR WIRING?? OR LINE OR LINES OR CONDUCTOR)

S4 472 1AND2AND3

S5 103575 (WIDER OR WIDEN???? OR EXTEN????? OR LARGER OR INCREAS????? OR GREATER??) (5N)CONTACT??????

S6 176155 (WIDER OR WIDEN???? OR ENTEN????? OR LARGER OR INCREAS??-

??? OR GREATER??) (5N)SURFACE

S7 175 4AND5

S8 61 4AND6

S9 31 7AND8

S10 36843 DISTANCE??(8N)CONTACT???????

S11 6 9AND10

S12 111475 (5 OR FIVE) (2W) (MU OR MUM OR MICRON?????)

S13 135353 (6 OR SIX OR SEVEN OR EIGHT OR NINE OR TEN OR 10 OR 9 OR 8 OR 7) (2W) (MU OR MUM OR MICRON?????)

S14 10 9AND12

S15 11 9AND13

S16 17 S11 OR S14 OR S15

S17 14 S16 AND TRANSISTOR????/TI,AB,CM

S18 1 PARASITIC????/TI,AB,CM AND S16

S19 6085 (POWER(2N)MOS OR MOSFET???) /TI,AB,CM

S20 2 16AND19

S21 6098 S17:S20

S22 8650 BREAKDOWN()VOLTAGE

S23 383 BREAK()DOWN()VOLTAGE

S24 1 S16 AND DIODE??/TI,AB,CM

S25 4 S16 AND S22:S23

S26 4 S16 AND DIODE??

S27 9 (S18 OR S20 OR S24:S26)

S28 9 16AND27

S29 9154 (MU OR MUM OR MICRON?????) (9N)DISTANCE

S30 3676 (MU OR MUM OR MICRON?????) (9N)EDGE??

S31 24072 (MU OR MUM OR MICRON?????) (9N) (REGION

OR ZONE OR AREA)

S32 1946 S10 AND S12:S13

S33 216 29AND30AND31

S34 15 32AND33

S35 15 S34 AND S1:S11

S36 6 S14:S23 AND S35

S37 2 WIDER AND S35

S38 0 WIDEN???? AND S35

S39 1 BROADER?? AND S35

S40 1 BROADEN????? AND S35

S41 3 S35 AND DRAIN/TI,AB

S42 5 S35 AND CONTACT????/TI,AB

S43 1 41AND42

S44 11 S36:S43 NOT S28

S45 0 DISTANCE(8W)CONTACT???????

(8W)DRAIN()WIRING

S46 0

CONTACT??????(8W)DRAIN()WIRING(8W)DISTANCE

S47 43 CONTACT??????(8W)DRAIN()WIRING

S48 19 DRAIN()WIRING(8W)CONTACT???????

S49 0 DRAIN()WIRING(8W)CONTACT???????

(10W)(MICRON?? OR MU OR MUM)

S50 0 CONTACT??????(8W)DRAIN()WIRING(10W)

(MICRON?? OR MU OR MUM)

S51 0 DRAIN()WIRING(10W)
(MICRON?? OR MU OR MUM)

S52 11 S47:S48 AND DRAIN/TI,AB
 S53 6 S47:S48 AND CONTACT?????/TI,AB
 S54 8 S47:S48 AND WIRING/TI,AB
 S55 2 52AND53
 S56 3 52AND54
 S57 1 53AND54
 S58 6 S55:S57 NOT (S44 OR S28)
 S59 2251 DIODE??(5N) (SHORTCIRCUIT???? OR
 SHORT()CIRCUIT?? OR SHORTED OR SHORTING)
 S60 2355 DIODE??(10W) (SHORTCIRCUIT???? OR
 SHORT()CIRCUIT?? OR SHORTED OR SHORTING)
 S61 2054 (SHORTCIRCUIT???? OR SHORT()CIRCUIT???)
 OR SHORTED OR SHORTING) (10W)DIODE??
 S62 1895 (SHORTCIRCUIT???? OR SHORT()CIRCUIT???)
 OR SHORTED OR SHORTING) (10W)GATE
 S63 1837 GATE(10W) (SHORTCIRCUIT???? OR
 SHORT()CIRCUIT?? OR SHORTED OR SHORTING)
 S64 3295 ELECTRODE(10W) (SHORTCIRCUIT???? OR
 SHORT()CIRCUIT?? OR SHORTED OR SHORTING)
 S65 3565 (SHORTCIRCUIT???? OR SHORT()CIRCUIT???)
 OR SHORTED OR SHORTING) (10W)ELECTRODE
 S66 2140 (SHORTCIRCUIT???? OR SHORT()CIRCUIT???)
 OR SHORTED OR SHORTING) (10W)SOURCE
 S67 2032 SOURCE(10W) (SHORTCIRCUIT???? OR
 SHORT()CIRCUIT?? OR SHORTED OR SHORTING)
 S68 3164 (CONDUCTOR OR WIRE OR WIRING) (10W)
 (SHORTCIRCUIT???? OR SHORT()CIRCUIT?? OR SHORTED OR
 SHORTING)
 S69 3382 (SHORTCIRCUIT???? OR SHORT()CIRCUIT???)
 OR SHORTED OR SHORTING) (10W) (CONDUCTOR OR WIRE OR
 WIRING)
 S70 3569 S60:S61
 S71 2911 S62:S63
 S72 5195 S64:S65
 S73 3404 S66:S67
 S74 5153 S68:S69
 S75 305 70AND71
 S76 47 72AND75
 S77 21 73AND76
 S78 3 74AND77
 S79 305 70AND71
 S80 154 70AND72
 S81 326 70AND73
 S82 176 70AND74
 S83 305 70AND75
 S84 305 71AND75
 S85 47 72AND75
 S86 107 73AND75
 S87 27 74AND75
 S88 223 74AND71
 S89 176 74AND70
 S90 484 74AND72
 S91 268 74AND73
 S92 540 72AND73
 S93 928 71AND73
 S94 743 71AND72
 S95 47 79AND80
 S96 21 79AND80AND81
 S97 3 79AND80AND81AND82
 S98 0 S97 NOT S78
 S99 3 79AND80AND82AND83
 S100 3 79AND80AND82
 S101 47 79AND80
 S102 107 79AND81
 S103 27 79AND82
 S104 305 79AND83
 S105 21 101AND102
 S106 3 101AND103
 S107 9 102AND103
 S108 24 (S99:S100 OR S105:S107) NOT S78
 S109 2 S108 AND
 SHORT?????????(9N)DIODE??/TI,AB,CM

Date <u>9/25/05</u>	Serial # <u>10/748,187</u>	Priority Application Date <u>11/27/99</u>
Your Name <u>M. Lewis</u>	Examiner # _____	
AU <u>2899</u>	Phone <u>979-1838</u>	Room <u>5A-30</u>
In what format would you like your results? Paper is the default.		
<input checked="" type="radio"/> PAPER <input type="radio"/> DISK <input type="radio"/> EMAIL		

If submitting more than one search, please prioritize in order of need.

Week before
3/13

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

Where have you searched so far on this case?

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB

Other: _____

What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs Nonpatent Literature Other
Secondary Refs Foreign Patents
Teaching Refs

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 6-19

Problem: See Pages 1-4
Solution: " " 4-15

Please focus on the last paragraphs of claim 6 ("a distance ... or more.") and claim 19 (see page 30 lines 23-27 and page 31 lines 1-4).

if Use Only

Searcher: HARRISON
Searcher Phone: 22511
Searcher Location: STIC-EIC2800, JEF-4B68
Searcher Picked Up: 3-1
Completed: 3-2-05
Searcher Prep/Rev Time: 72
Time: 135

Type of Search	Vendors
Structure (#)	STN <input checked="" type="checkbox"/>
Bibliographic	Dialog <input checked="" type="checkbox"/>
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